

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 12/11/2015 10:59 AM
Cytometer Baseline: 10/21/2015 09:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126447	1	6.14	126228	6.22
Blue	F	SSC	125000	125425	0	3.01	126398	2.70
Blue	E	FITC	17224	17016	-2	2.69	961	9.78
Blue	D	PE	22462	22229	-2	2.26	1004	9.19
Blue	B	PerCP-Cy5-5	63940	63830	-1	3.09	1681	14.86
Blue	A	PE-Cy7	72480	72884	0	4.29	936	29.39
Red	C	APC	63778	63665	-1	2.52	3599	8.15
Red	A	APC-Cy7	97254	97817	0	2.61	1934	7.86
Violet	B	V450	10730	10306	-4	3.76	639	8.81
Violet	A	V500	42147	41035	-3	3.48	2315	6.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19007	36.55	636	16	N/A	N/A	Pass
Blue	F	SSC	62692	1.84	542	15	N/A	N/A	Pass
Blue	E	FITC	103	40.43	547	8	0.0215	299	Pass
Blue	D	PE	206	27.80	541	9	0.1394	169	Pass
Blue	B	PerCP-Cy5-5	202	45.68	629	15	0.0089	44	Pass
Blue	A	PE-Cy7	68	120.14	689	16	0.0108	15	Pass
Red	C	APC	337	26.22	586	2	0.0208	0	Pass
Red	A	APC-Cy7	121	38.39	567	2	0.0049	924	Pass
Violet	B	V450	67	49.42	477	3	0.0425	2611	Pass
Violet	A	V500	151	25.51	507	4	0.0133	876	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-30.88	-30.62	0.70
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.17
Red	14.11	13.09 - 19.63	N/A	N/A	31.20	31.34	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 9660

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments